Table 1. List of Sampling Sites for the Sacramento River and Northern Delta

Project	Sampling Site Name	Original Site Name (when different)[1]	Sacramento River in the Delta	Other water bodies in the Delta	Sacramento River outside the Delta	Other water bodies outside the Delta
TSMP	Beach Lake			X		
SRWP	Big Chico Creek near mouth					X
FMP	Butte Creek at Colusa Highway					X
UCD	Bypass Slough			X		
UCD	Cache Slough			X		
FMP	Cache Slough2	Sacramento River at Cache Slough		X		
UCD	Cache Slough (lower)			X		
FMP	Cache Slough at Miner Slough	Sacramento River at Miner Slough		X		
SRWP	Cache Slough near Ryer Island Ferry			X		
CALFED	Cache Slough near Ryer Island Ferry 2			X		
SRWP	Colusa Basin Drain					X
TSMP	Colusa Drain/Abel Road					X
FMP	Colusa Drain/Knights Landing	Colusa Basin Drain at Road 99E				X
TSMP	Colusa Drain/Knights Landing					X
FMP	Cross Canal					X
TSMP	Cross Canal					X
UCD	Delta Cross Canal			X		
UCD	Delta Meadows			X		
FMP	Fremont Weir					X
FMP	Georgiana Slough			X		
UCD	Georgiana Slough			X		
CALFED	Green's Lake			X		
UCD	Lindsey Slough			X		
UCD	Little Hastings Tract			X		
UCD	Little Holland Tract 1			X		
CALFED	Little Holland Tract 2			X		
UCD	Miner Slough			X		
UCD	Prospect Island			X		
FMP	Prospect Slough/Liberty Island	Liberty Island		X		
FMP	Prospect Slough/Liberty Island	Prospect Slough		X		
TSMP	Prospect Slough/Liberty Island			X		
UCD	Prospect Slough/Liberty Island	Old Prospect Slough		X		
TSMP	Reclamation Slough					X
FMP	Rio Vista Fish Derby1		X			

[1] Sampling sites within one mile were combined (including similar or dissimilar site names) and are represented by a common site name as shown in the table.

Project	Sampling Site Name	Original Site Name (when different)[1]	Sacramento River in the Delta	Other water bodies in the Delta	Sacramento River outside the Delta	Other water bodies outside the Delta
FMP	Rio Vista Fish Derby2		X			
FMP	Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park		X			
FMP	Sacramento River at Bend Bridge				X	
FMP	Sacramento River at Bend Bridge near Red Bluff	Sacramento River at Bend Bridge Near Red Bluff			X	
SRWP	Sacramento River at Bend Bridge near Red Bluff				X	
FMP	Sacramento River at Butte City				X	
FMP	Sacramento River at Channel Marker 33		X			
FMP	Sacramento River at Colusa				X	
FMP	Sacramento River at Grimes				X	
SRWP	Sacramento River at Hamilton				X	
FMP	Sacramento River at Hamilton City				X	
FMP	Sacramento River at Knights Landing				X	
TSMP	Sacramento River at Knights Landing	Sacramento River/Knights Landing			X	
FMP	Sacramento River at Ord Bend				X	
CALFED	Sacramento River at RM 44	Sacramento River at RM 44 - 2	X			
FMP	Sacramento River at RM 44	Sacramento River at RM44	X			
SRWP	Sacramento River at RM 44	Sacramento River at RM 44 - 1	X			
TSMP	Sacramento River at RM 44	Sacramento River/RM 44	X			
FMP	Sacramento River at Tisdale Boat Ramp AKA River Bend Marina				X	
FMP	Sacramento River at Veterans Bridge				X	
SRWP	Sacramento River at Veterans Bridge				X	
TSMP	Sacramento River at Veterans Bridge	Sacramento River/u/s I-5 Overcrossing			X	
FMP	Sacramento River at Woodson Bridge				X	
SRWP	Sacramento River below Keswick				X	
UCD	Sacramento River Deep Water Ship Channel			X		

Project	Sampling Site Name	Original Site Name (when different)[1]	Sacramento River in the Delta	Other water bodies in the Delta	Sacramento River outside the Delta	Other water bodies outside the Delta
FMP	Sacramento River near Deschutes Rd				X	
FMP	Sacramento River near Hamilton	Sacramento River Near Hamilton (Scotty's Boat Landing)			X	
TSMP	Sacramento River near Hamilton	Sacramento River/Hamilton City			X	
CALFED	Sacramento River near Isleton		X			
UCD	Sacramento River near Isleton	Sacramento River/Isleton	X			
FMP	Sacramento River near Verona	Sacramento River Near Verona Marina, Village Resort AKA Joe's Place			X	
TSMP	Sacramento River near Verona	Sacramento River/Verona 1			X	
SRWP	Sacramento River/Colusa	Sacramento River at Colusa			X	
TSMP	Sacramento River/Colusa				X	
TSMP	Sacramento River/d/s Shasta Dam				X	
UCD	Sacramento River/Decker Island (inner channel)		X			
TSMP	Sacramento River/Hood		X			
TSMP	Sacramento River/Keswick				X	
FMP	Sacramento River/Rio Vista	Sacramento River at Rio Vista	X			
TSMP	Sacramento River/Rio Vista		X			
UCD	Sacramento River/Rio Vista		X			
FMP	Sacramento Slough	Sacramento Slough at Karnak				X
SRWP	Sacramento Slough					X
TSMP	Sacramento Slough					X
FMP	Snodgrass Slough near Delta Meadows	Snodgrass Slough Near Delta Meadows		X		
UCD	Snodgrass Slough near Delta Meadows	Snodgrass Slough/nr Delta Meadows		X		
FMP	Steamboat Slough			X		
UCD	Steamboat Slough			X		
TSMP	Sutter Bypass					X
FMP	Sutter Bypass below Kirkville Road					X
FMP	Toe Drain			X		
UCD	Toe Drain			X		

Table 2. Legal or Edible Size Criteria for Fish and Shellfish Species

Common Name	Minimum Size (Total Length mm)	Species Name
American shad	275	*Alosa sapidissima*
Asiatic clam	-[1]	*Corbicula fluminea*
Bluegill	100	*Lepomis macrochirus*
Brown Bullhead	200	*Ameiurus nebulosus*
Carp	200	*Cyprinus carpio*
Channel Catfish	200	*Ictalurus punctatus*
Chinook salmon	-	*Oncorhynchus tshawytscha*
Crappie	150	*Pomoxis spp.*
Crayfish, Northern Crayfish, Red Swamp Crayfish, Signal	35[2]	*Orconectes virilis* *Procambarus clarkia* *Pacifastacus leniusculus*
Hardhead	250	*Mylopharodon conocephalus*
Hitch	150	*Lavinia exilicauda*
Largemouth Bass	305	*Micropterus salmoides*
Rainbow trout	200	*Oncorhynchus mykiss*
Redear Sunfish	130	*Lepomis microlophus*
Sacramento Pikeminnow	250	*Ptychocheilus grandis*
Sacramento Sucker	200	*Catostomus occidentalis*
Smallmouth bass	305	*Micropterus dolomieu*
Spotted bass	305	*Micropterus punctulatus*
Striped Bass (freshwater)	457	*Morone saxatilis*
White Catfish	200	*Ameiurus catus*

[1] All sizes in dataset accepted

[2] Carapace length

Table 3. Descriptive Statistics for Mercury Concentrations (ppm) and Length (mm) for Legal or Edible-sized Fish from the Sacramento River and Northern Delta by Species

Species	***Mean Mercury (ppm)***	*Min*	*Max*	*SD*	***Mean Total Length (mm)***	*Min*	*Max*	*SD*	*# Samples*	*# Individuals*
American shad	**.07**	.03	.34	.06	422	286	571	66	31	35
Asiatic clam	**.02**	.01	.04	.01	24	16	42	4	99	209
Bluegill	**.19**	.07	.42	.09	146	111	206	24	42	46
Redear sunfish	**.14**	.04	.49	.08	182	130	252	24	86	99
Sunfish	**.15**	.04	.49	.08	170	111	252	29	128	145
Brown bullhead	**.24**	.20	.58	.10	265	222	389	55	3	13
Channel catfish	**.28**	.11	1.3	.17	401	201	726	112	87	121
White catfish	**.44**	.13	1.1	.19	288	199	587	39	148	282
Catfish	**.38**	.11	1.3	.20	321	199	726	86	238	416
Carp	**.24**	.06	.94	.12	493	340	770	87	97	170
Chinook salmon	**.07**	.04	.09	.01	782	599	920	86	9	11
Crappie	**.33**	.08	.69	.17	244	170	395	51	24	40
Signal crayfish (Crayfish1 & Crayfish4)	**.21**	.05	.66	.13	46	33.0	65.0	6.8	122.0	152
Red swamp crayfish (Crayfish2)	**.10**	.04	.34	.08	46	37	56	6	12	12
Northern crayfish (Crayfish3)	**.10**	.10	.10	.	43	43	43	.	1	1
Crayfish	**.20**	.04	.66	.13	46	33	65	7	135	165
Goldfish	**.26**	.09	.49	.18	324	265	375	55	4	4
Hardhead	**.26**	.09	.81	.19	368	314	444	38	16	20
Hitch	**.26**	.05	.36	.12	347	260	387	47	7	7
Largemouth bass	**.65**	.22	1.5	.27	373	307	560	41	180	271
Smallmouth bass	**.86**	.57	1.4	.28	371	338	479	44	5	13
Spotted bass	**.58**	.37	1.0	.17	348	305	421	35	15	15
Black bass	**.65**	.22	1.5	.27	371	305	560	41	200	299
Rainbow trout	**.04**	.00	.08	.02	354	200	449	51	59	175
Sacramento pikeminnow	**.44**	.06	2.0	.36	359	249	638	99	141	185
Sacramento sucker	**.16**	.00	.60	.12	400	199	574	78	170	242
Steelhead trout	**.07**	.05	.10	.02	566	449	630	80	4	4
Striped bass	**.38**	.13	.72	.14	624	458	1014	139	59	59
Tule perch	**.22**	.18	.31	.05	140	130	158	11	6	6
White sturgeon	**.21**	.20	.23	.02	1582	1324	1840	365	2	2

Table 4. Mean Mercury (wet wt ppm), Mean Length (mm Total Length), and Sample Size (# Individuals in parentheses) in Sacramento River and Northern Delta Fish and Shellfish by Subarea and Overall Species Totals[1]

Species Common Name	Delta West Delta Subarea	Delta Yolo Bypass North Subarea	Delta Yolo Bypass South Subarea	Delta Sac. River Subarea	Sacramento River Outside of Delta	Sloughs, etc. Outside of Delta	Overall Species
American Shad					**.06 396 (12)**	**.07 435 (23)**	**.07 422 31 (35)**
Asiatic Clam	**.04 23 (17)**		**.02 22 (54)**	**.02 25 (138)**			**.02 24 99 (209)**
Bluegill			.32 145 (6)	**.14 156 (22)**	**.17 134 (9)**	**.23 134 (9)**	**.19 146 42 (46)**
Brown Bullhead						**.24 265 (13)**	**.24 265 3 (13)**
Carp		**.28 421 (10)**	**.28 455 (28)**	**.28 577 (54)**	**.24 492 (23)**	**.19 444 (55)**	**.24 493 97 (170)**
Channel Catfish			**.36 440 (15)**	**.22 446 (8)**	**.34 435 (37)**	**.23 366 (61)**	**.28 401 87 (121)**
Chinook Salmon				**.06 779 (10)**	.09 806 (1)		**.07 782 9 (11)**
Crappie		**.50 258 (10)**	**.27 235 (15)**	.37 223 (6)		**.20 259 (9)**	**.33 244 24 (40)**
Signal crayfish	.18 50 (4)		**.24 51 (42)**	**.22 45 (70)**	**.09 49 (15)**		**.20 46 135 (165)**
Red swamp crayfish			**.10 48 (10)**	.12 39 (2)			
Northern crayfish			.10 43 (1)				
Goldfish			.26 324 (4)				.26 324 4 (4)
Hardhead					**.26 368 (20)**		**.26 368 16 (20)**
Hitch			.08 283 (2)	.32 373 (5)			.26 347 7 (7)

[1] Results in **BOLD** indicate samples with sufficient numbers of individuals; those not in bold do not meet the minimum criterion of nine individuals.

Species Common Name	Delta West Delta Subarea	Delta Yolo Bypass North Subarea	Delta Yolo Bypass South Subarea	Delta Sac. River Subarea	Sacramento River Outside of Delta	Sloughs, etc. Outside of Delta	Overall Species
Largemouth Bass		.60 365 (1)	**.61** **367** **(41)**	**.71** **370** **(126)**	**.71** **369** **(40)**	**.50** **384** **(63)**	**.65** **373** **180 (271)**
Rainbow Trout					**.04** **354** **(175)**		**.04** **354** **59 (175)**
Redear Sunfish			.23 220 (2)	**.14** **195** **(40)**	**.12** **179** **(28)**	**.14** **164** **(29)**	**.14** **182** **86 (99)**
Sacramento Pikeminnow			.26 285 (4)	**.51** **382** **(49)**	**.42** **355** **(127)**	.48 288 (5)	**.44** **359** **141 (185)**
Sacramento Sucker			**.20** **396** **(12)**	**.24** **454** **(76)**	**.12** **376** **(148)**	.18 339 (6)	**.16** **400** **170 (242)**
Smallmouth Bass				**.86** **371** **(13)**			**.86** **371** **5 (13)**
Spotted Bass				**.58** **348** **(15)**			**.58** **348** **15 (15)**
Steelhead Trout				.06 517 (2)	.09 616 (2)		.07 566 4 (4)
Striped bass			**.32** **550** **(18)**	.33 625 (4)	**.46** **565** **(13)**	**.38** **712** **(24)**	**.38** **624** **59 (59)**
Tule Perch			.22 140 (6)				.22 140 (6)
White Catfish			**.46** **281** **(64)**	**.44** **296** **(170)**	**.40** **287** **(12)**	**.35** **265** **(36)**	**.44** **288** **148 (282)**
White Sturgeon	.21 1582 (2)						.21 1582 2 (2)

Table 5. Comparison of Mercury Concentrations in Northern Delta and Central Delta Subareas

White Catfish

Delta Subarea	Mean Mercury ppm (Standard Deviation)	# Samples	# Individuals
Delta Central Delta	**0.08** (0.03)	26	31
Delta Sacramento River (Northern Delta)	**0.45** (0.20)	77	170
Delta Yolo Bypass South (Northern Delta)	**0.47** (0.16)	57	65

Largemouth Bass

Delta Subarea	Mean Mercury ppm (Standard Deviation)	# Samples	# Individuals
Delta Central Delta	**0.31** (0.16)	52	56
Delta Sacramento River (Northern Delta)	**0.64** (0.31)	103	154
Delta Yolo Bypass South (Northern Delta)	**0.54** (0.28)	43	51

Note: Sacramento pikeminnow and Sacramento sucker are not presented here because only one and four fish, respectively, were collected in the Delta Central Delta subarea.

Table 6: Advisory Tissue Levels for Methylmercury or Total Mercury for Two Population Groups and Advisory Tissue Levels for PCBs

Advisory Tissue Levels for Selected Fish Contaminants Based on Cancer or Non-Cancer Risk (ppb, wet weight)
Using an 8-Ounce Serving Size (Prior to Cooking)

Contaminant	Three 8-ounce Meals a Week	Two 8-ounce Meals a Week	One 8-ounce Meal a Week	No Consumption
Methylmercury (Women 18-45 and children)	**≤ 70**	**> 70-150**	**> 150-440**	**> 440**
Methylmercury (Women over 45 and men)	**≤ 220**	**> 220-440**	**> 440-1,300**	**> 1,300**
PCBs	≤ 21	> 21-42	> 42-120	> 120

Tabled values are rounded based on laboratory reporting of three significant digits in results, where the third reported digit is uncertain (estimated). Tabled values are rounded to the second digit, which is certain. When data are compared to this table they should also first be rounded to the second significant digit as in this table.

The values in this table are based on the assumption that 100 percent of total mercury measured in fish is methylmercury. This may not be true for shellfish, so methylmercury needs to be measured directly in these species for use in this table.

The recommended level for consumption of fish contaminated with a non-carcinogenic chemical such as methylmercury or PCBs is below or equivalent to the chemical's reference level. People could eat more fish with a lower tissue concentration (before they exceed the reference level) than fish with a higher concentration. The following general equation can be used to calculate the fish tissue concentration (in mg/kg) at which the consumption exposure from a chemical with a non-carcinogenic effect is equal to the reference level for that chemical at any consumption level:

$$\text{Tissue concentration} = \frac{(\text{RfD mg/kg - day})(\text{kg Body Weight})(\text{RSC})}{\text{CR kg/day}}$$

where,

RfD = Chemical specific reference dose or other reference level
BW = Body weight of consumer
RSC = Relative source contribution of fish to total exposure
CR = Consumption rate as the daily amount of fish consumed

There is an almost unlimited number of potential meal frequency categories with which to provide fish consumption advice, ranging from 0.5 meals per month, or less, to one meal per day (30 meals per month) or more. OEHHA considers it reasonable to provide advice for the consumption frequency categories shown in the table including: low contaminant fish that are safe to eat in quantities meeting American Heart Association (AHA, 2007) and the Institute of Medicine (IOM, 2007) recommendations (eight ounces per week, prior to cooking); very low contaminant fish that are safe to eat in even higher quantities (two or three eight-ounce, prior to cooking, meals a week); and higher contaminant fish whose consumption should be avoided (*i.e.*, fish that should not be consumed or cannot be eaten in quantities meeting AHA and IOM recommendations).

The equation above was applied in the table above to determine tissue concentrations of PCBs and methylmercury (assuming 100% of measured total mercury is methylmercury in fish) in sport fish that would be below or equivalent to the chemical's reference level for multiple consumption frequencies.

Meal sizes and frequencies used in this table: Although people eat different meal sizes, their typical portion size is related to their individual body weight in a fairly consistent manner. The standard portion size eaten by an average adult (body weight 70 kg or 154 pounds) is eight ounces (227 g) (U.S. EPA, 2000b). A standard portion of one fish meal a week is equivalent to 32.4×10^{-3} kg/day, two meals per week is equivalent to 64.8×10^{-3} kg/day, and three meals per week is equivalent to 97.3×10^{-3} kg/day. In some cases, fish tissue concentrations corresponding to intermediate meal frequencies were incorporated into the standard meal categories used for providing “safe eating guidelines” such that the hazard quotient (the ratio of exposure to the reference dose) did not exceed an average of approximately 1.0, over the range of exposures.

Table 7. Concentrations of PCBs in Historical Data Samples from SRWP[1]

Sample ID	Year	Location	Species	Mean Length (mm)	Sum of PCB Congeners[2] (ppb)
00-1146	2000	Big Chico Creek near mouth	Largemouth Bass	359	2.5
00-1147	2000	Big Chico Creek near mouth	Sacramento Pike Minnow	288	5.1
00-1150	2000	Cache Slough near Ryer Island Ferry	Largemouth Bass	362	4.5
98-020-t	1998	Cache Slough near Ryer Island Ferry	Largemouth Bass	367	BRL[3]
99-1047-t	1999	Cache Slough near Ryer Island Ferry	Largemouth Bass	375	6.5
Mean		Cache Slough near Ryer Island Ferry	Largemouth Bass	368	3.7
00-1124	2000	Cache Slough near Ryer Island Ferry	White Catfish	288	8.3
99-1048-t	1999	Cache Slough near Ryer Island Ferry	White Catfish	288	16
Mean		Cache Slough near Ryer Island Ferry	White Catfish	288	12
00-1130/00-1519	2000	Colusa Basin Drain	Carp	372	3.6
02-0360	2001	Colusa Basin Drain	Carp	398	6.0
98-010-t	1998	Colusa Basin Drain	Carp	386	BRL
Mean		Colusa Basin Drain	Carp	385	3.1
B0802	2001	Colusa Basin Drain	Channel Catfish	-	10
00-1085/00-1089	2000	Sacramento River at Alamar (Veteran's Bridge)	Largemouth Bass	371	3.4
98-013-t	1998	Sacramento River at Alamar (Veteran's Bridge)	Largemouth Bass	335	BRL
Mean		Sacramento River at Alamar (Veteran's Bridge)	Largemouth Bass	353	1.7
00-1086/00-1088	2000	Sacramento River at Alamar (Veteran's Bridge)	Sacramento Pike Minnow	266	22
99-1038-t	1999	Sacramento River at Alamar (Veteran's Bridge)	Sacramento Sucker	318	19
00-1090	2000	Sacramento River at Alamar (Veteran's Bridge)	White Catfish	264	38
96-416	1997	Sacramento River at Alamar (Veteran's Bridge)	White Catfish	249	11
Mean		Sacramento River at Alamar (Veteran's Bridge)	White Catfish	256	24
00-1102	2000	Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	350	6.1
96-415	1997	Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	313	7.3
Mean		Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	332	6.7
98-003-t	1998	Sacramento River at Bend Bridge near Red Bluff	Sacramento Pike Minnow	254	BRL
00-1103	2000	Sacramento River at Bend Bridge near Red Bluff	Sucker	457	10
98-006-t	1998	Sacramento River at Colusa	Carp	398	BRL
00-1079	2000	Sacramento River at Colusa	Sacramento Pike Minnow	275	11
98-007-t	1998	Sacramento River at Colusa	Sacramento Pike Minnow	278	BRL
Mean		Sacramento River at Colusa	Sacramento Pike Minnow	277	5.4
00-1075	2000	Sacramento River at Colusa	Striped Bass	451	23
00-1078	2000	Sacramento River at Colusa	Sucker	290	3.8
00-1104	2000	Sacramento River at Hamilton	Sacramento Pike Minnow	298	9.1
98-005-t	1998	Sacramento River at Hamilton	Sacramento Pike Minnow	286	BRL
Mean		Sacramento River at Hamilton	Sacramento Pike Minnow	292	4.5
00-1105	2000	Sacramento River at Hamilton	Sucker	316	0.63
98-004-t	1998	Sacramento River at Hamilton	Sucker	322	ND[4]
Mean		Sacramento River at Hamilton	Sucker	319	0.30
00-0948	2000	Sacramento River at RM 44	Largemouth Bass	369	11

[1] Data source is Excel file "SRWP_Copy_ForMargy" received from SFEI.

[2] The number of congeners summed varied by year. Forty-seven congeners and 38 congeners were analyzed in 1996 and 1998, respectively. Beginning in 1999, 48 congeners have been analyzed.

[3] BRL = below reporting limit. Reporting limits were not provided for PCB congeners; 0 (zero) was used for these samples when summing and averaging.

[4] Non-detect

Sample ID	Year	Location	Species	Mean Length (mm)	Sum of PCB Congeners[2] (ppb)
98-016-t	1998	Sacramento River at RM 44	Largemouth Bass	345	BRL
98-019-t	1998	Sacramento River at RM 44	Largemouth Bass	334	0.30
99-1054-t	1999	Sacramento River at RM 44	Largemouth Bass	-	36
99-1055-t	1999	Sacramento River at RM 44	Largemouth Bass	-	11
Mean		Sacramento River at RM 44	Largemouth Bass	-	12
00-0949	2000	Sacramento River at RM 44	Sacramento Pike Minnow	252	4.1
02-0370/0364	2001	Sacramento River at RM 44	Sacramento Pike Minnow	271	13
Mean		Sacramento River at RM 44	Sacramento Pike Minnow	262	9.0
2002-2344/2355/2356	2002	Sacramento River at RM 44	Sacramento Sucker	493	63
00-0947	2000	Sacramento River at RM 44	Sucker	452	20
Mean		Sacramento River at RM 44	Sacramento Sucker	472	42
02-0359	2001	Sacramento River at RM 44	Smallmouth Bass	338	6.0
00-1007	2000	Sacramento River at RM 44	White Catfish	288	35
96-413	1997	Sacramento River at RM 44	White Catfish	256	33
96-417	1997	Sacramento River at RM 44	White Catfish	258	9.4
98-017-t	1998	Sacramento River at RM 44	White Catfish	250	1.0
98-018-t	1998	Sacramento River at RM 44	White Catfish	286	0.80
99-1070-t	1999	Sacramento River at RM 44	White Catfish	-	18
99-1071-t	1999	Sacramento River at RM 44	White Catfish	-	25
99-1076-t	1999	Sacramento River at RM 44	White Catfish	-	26
Mean		Sacramento River at RM 44	White Catfish	-	19
00-1100	2000	Sacramento River below Keswick	Rainbow Trout	422	11
02-0361/0362	2001	Sacramento River below Keswick	Rainbow Trout	321	10
96-412	1997	Sacramento River below Keswick	Rainbow Trout	366	24
98-002-t	1998	Sacramento River below Keswick	Rainbow Trout	399	0.50
Mean		Sacramento River below Keswick	Rainbow Trout	377	11
00-1010/00-1023	2000	Sacramento Slough	Largemouth Bass	355	4.3
98-009-t	1998	Sacramento Slough	Largemouth Bass	381	BRL
99-1044-t	1999	Sacramento Slough	Largemouth Bass	381	11
Mean		Sacramento Slough	Largemouth Bass	372	5.1
00-1011/00-1012	2000	Sacramento Slough	White Catfish	262	26
99-1043-t	1999	Sacramento Slough	White Catfish	263	1.2
Mean		Sacramento Slough	White Catfish	262	14

Table 8. Concentrations of PCBs in Historical Data Samples from TSMP

Sample ID	Year	Location	Species	Mean Length (mm)	Sum of PCB Aroclors[9] (ppb)
013.002.F.01	2001	Prospect Slough/Liberty Island	Largemouth Bass	373.0	ND[10]
013.001.F.01	2001	Sacramento River/Hood	Smallmouth Bass	344.0	10
013.004.F.98	1998	Sacramento River/Hood	Largemouth Bass	357.0	ND
013.001.F.98	1998	Sacramento River/Hood	White Catfish	282.0	200

[9] Measured as the sum of Aroclors 1248, 1256, and 1260

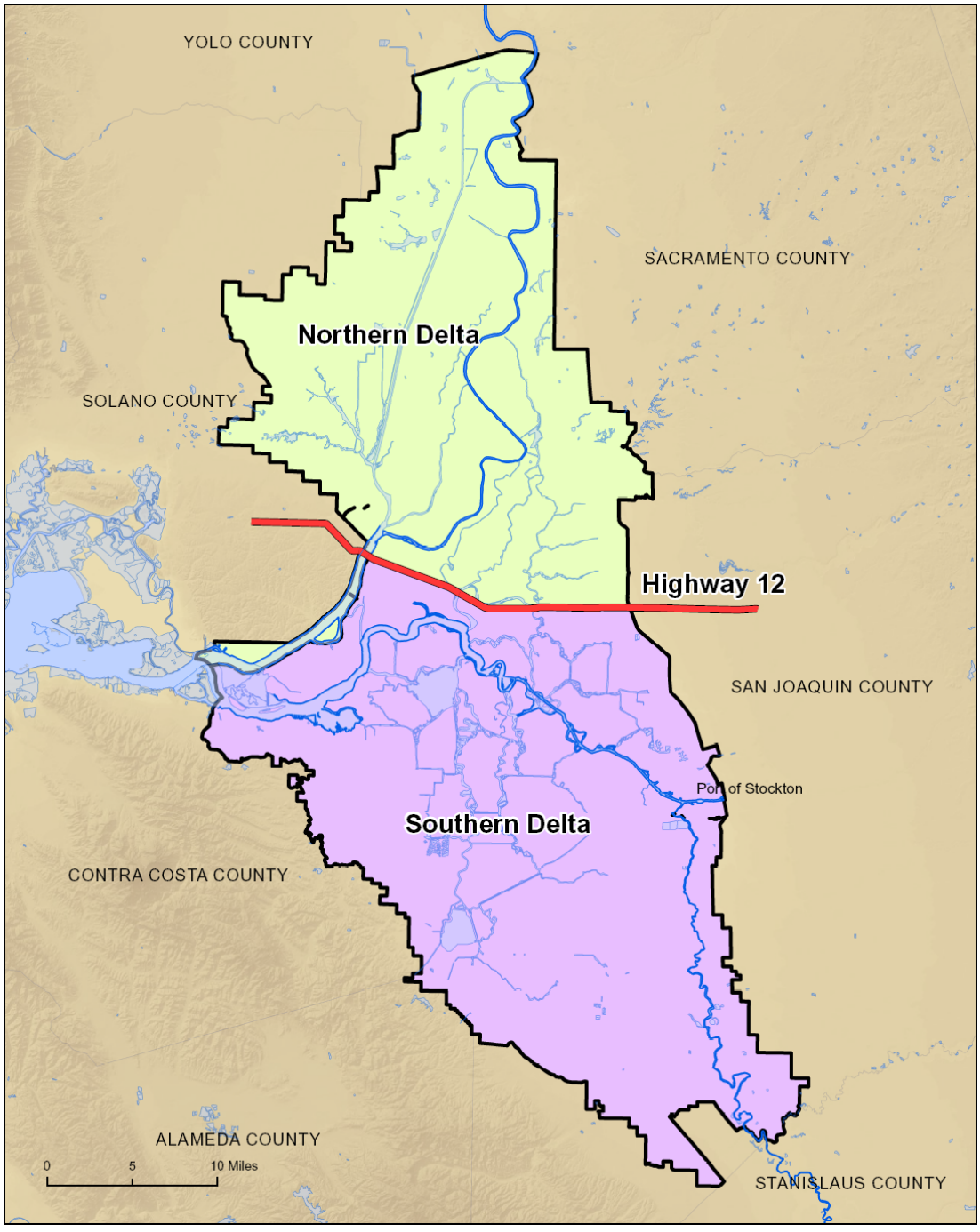
[10] Non-detect

Table 9. FMP Samples with Elevated Concentrations of PCBs

Sample ID	Year	Station Name	Common Name	# in Comp	Mean Length (mm)	**Sum of PCB Congeners[11] (ppb)**
05-5196 Comp 1	2005	Sacramento River @ Colusa	Channel Catfish	4	470	**100**
05-5839 Comp 1	2005	Sacramento River at Veterans Bridge	Channel Catfish	4	526	**53**
05-5838 Comp 1	2005	Sacramento River at Veterans Bridge	Carp	4	484	**26**

[11] Measured as the sum of 48 congeners

Figure 1. Map Delineating the Northern Delta and Southern Delta



The Southern Delta draft advisory was previously defined to include the San Joaquin River and other water bodies in the Delta ***south*** of the San Joaquin River. The Southern Delta draft advisory boundaries have been redefined here to extend north to Highway 12 as shown in this map. Water bodies in the Southern Delta - with the exception of the San Joaquin River south of the Port of Stockton - are included in the Southern Delta advisory. The San Joaquin River from the Port of Stockton to Friant Dam is included in a separate "San Joaquin River" advisory.

Figure 2. Map of Mercury and Gold Mines in the Vicinity of the Sacramento Valley

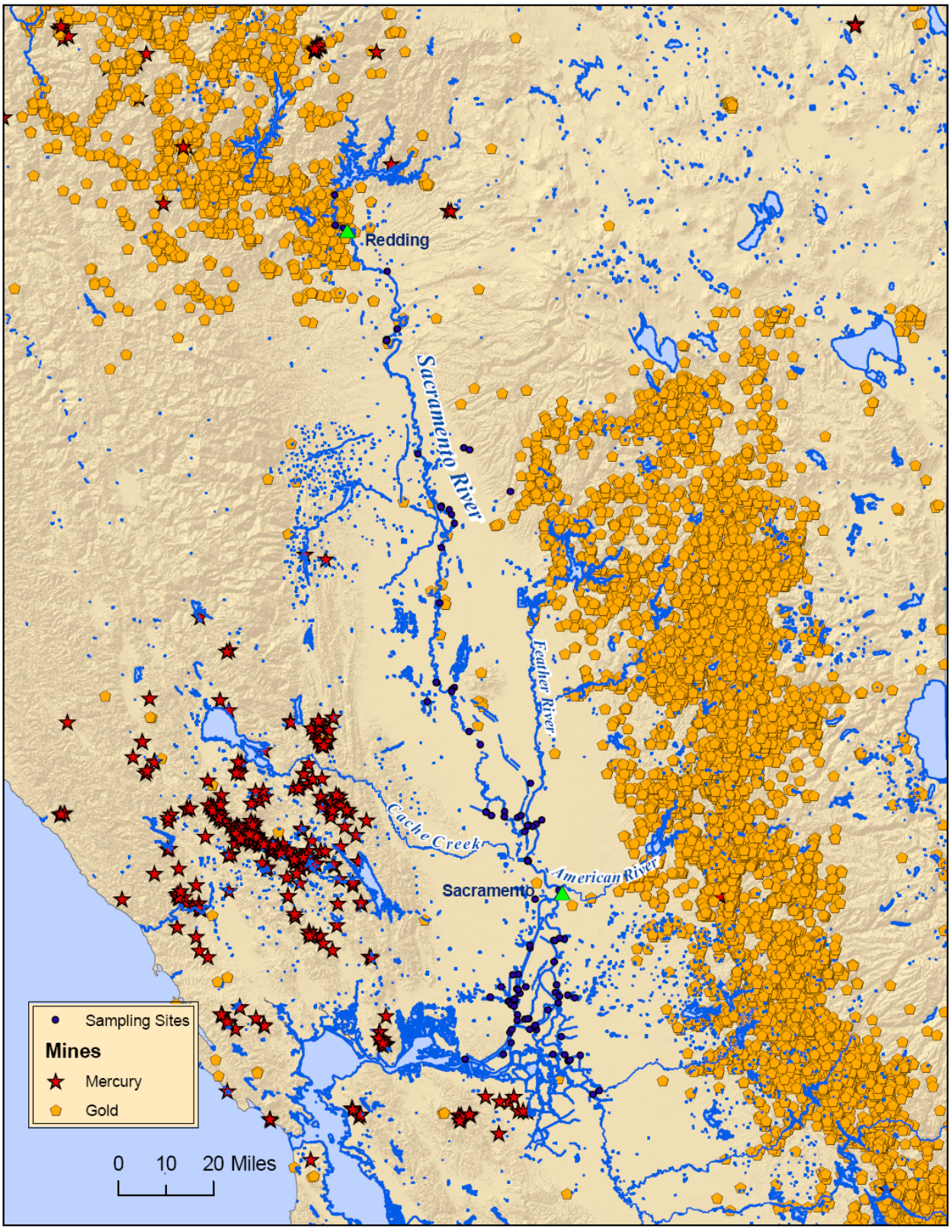


Figure 3. Map of the Sacramento Valley

Figure 4. Maps of Sampling Locations in the Sacramento River North of the Delta

The study area is divided into three maps from north to south: The first two maps show 1) the upper portion of the Lower[12] Sacramento River, and 2) the middle section of the Sacramento River. The third map (Figure 5) shows sampling sites in the Northern Delta including the lower section of the Sacramento River.

[12] "Lower Sacramento River" refers to the portion of the river south of Shasta Lake.

Figure 5. Map of Sampling Locations in the Northern Delta

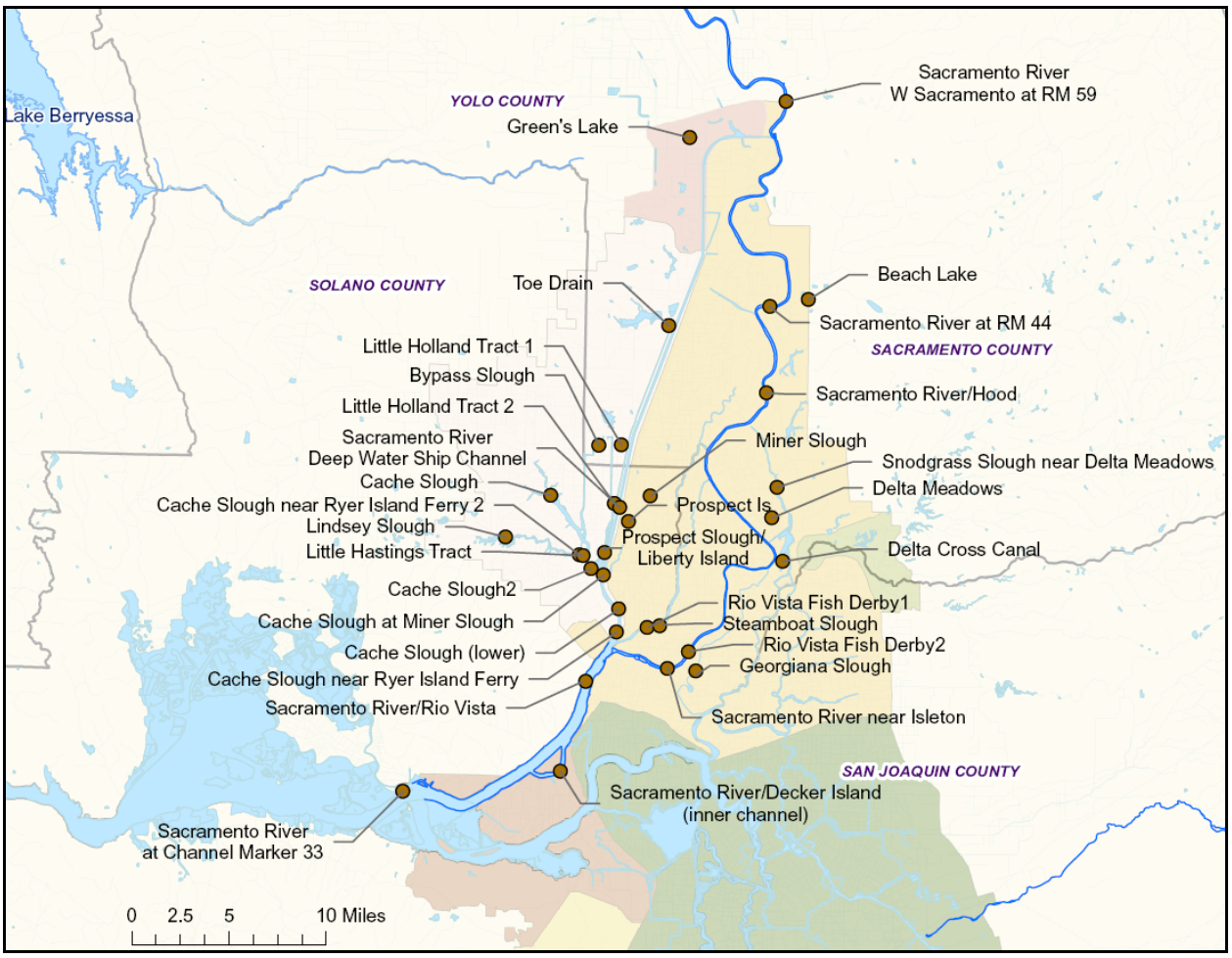


Figure 6. Sacramento-San Joaquin Delta and Eight Subareas